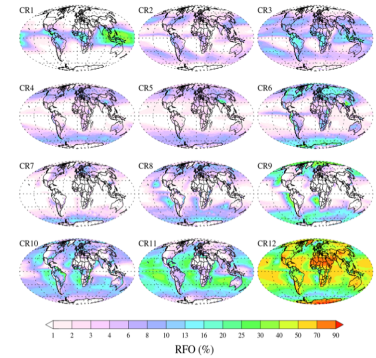
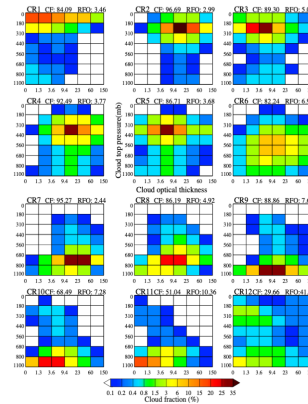


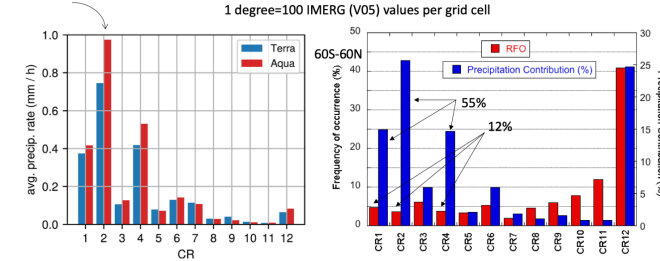


¹NASA's Goddard Space Flight Center. ²GESTAR's Universities Space Research Association. ³GESTAR's Morgan State University.

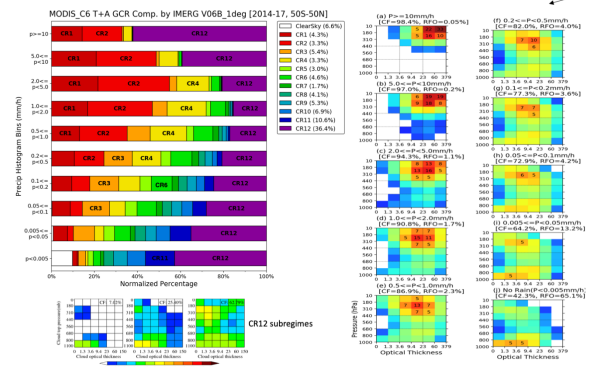
The diagram illustrates the retrieval of cloud optical thickness (τ) and cloud top pressure (CTP) from satellite observations. It shows a 3D view of a satellite observing a cloud over a 1 km x 1 km area. A 2D grid shows the mapping of CTP (Pa) and τ to specific color-coded regions. Arrows indicate the retrieval process from the satellite to the grid.



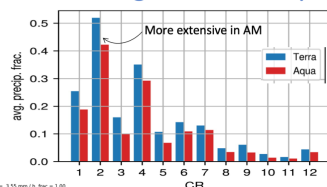
Ensemble mean joint histograms corresponding to precipitation bins



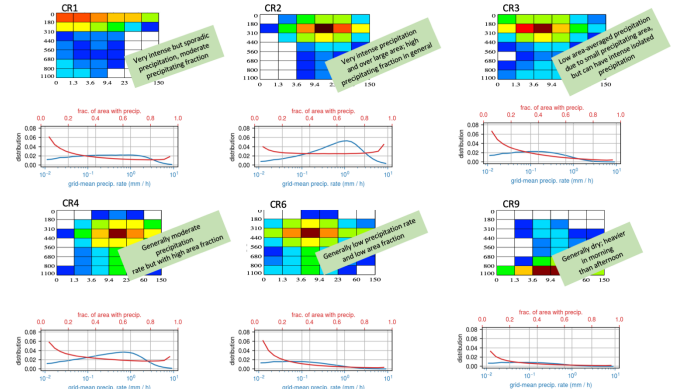
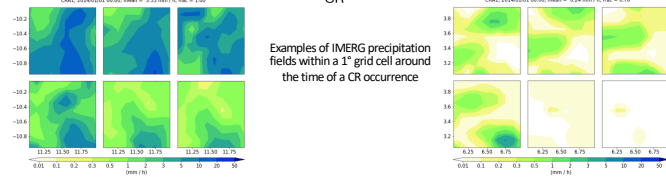
Tan and Oreopoulos 2019, JCLI



Summary of precipitation characteristics for select CRs



Tan and Oreopoulos 2019, JCLI



Tan and Oreopoulos 2019, JCLI